

STAFFORD COUNTY SCHOOL BOARD

Agenda Consideration

TOPIC: Award of Contract: Water Meter
Replacement - RTMS

ITEM NO.: 3I

PREPARED BY: Scott Horan,
Executive Director
Planning & Construction

MEETING: May 9, 2006

ACTION DATE: May 9, 2006

Andre' A. Nougaret,
Assistant Superintendent
for Support Services

ACTION REQUESTED BY THE SUPERINTENDENT: That the School Board approve the award of a service contract in the amount of \$72.8K to the Stafford County Utilities Department for the replacement of a 2" water meter with a 3" water meter at Rodney Thompson Middle School.

KEY POINTS:

1. In the spring of 2005 the administrative staff at RTMS identified a water pressure issue that is impacting the proper operations of school water coolers, bathrooms and field irrigation. The low water pressure has been an issue ever since the school was opened in 2000, but has increased in severity over the last two years. Bathroom flush valves periodically do not work, field irrigation via water wheels/cannons cannot be used during school operations and hallway water coolers in some areas of the school cannot provide adequate water flow.

2. Staff began an investigation into the water pressure issue during the summer of 2005. Hurd & Obenchain Consulting Engineers, one of SCPS on-call professional service A/E contractors, was placed under contract to investigate the problem. Hurd & Obenchain, working closely with Stafford County Utilities Department, completed their study and project design in March 2006. Their study/design identified several issues with the original water service established for the school and recommended a two-phased approach to address the low water pressure problem. Initially, the installation of a booster pump was envisioned as the "fix", but upon further investigation of the existing water pressure, existing water service line size and existing meter size, it was recommended to follow the course of action outlined below:

- **Phase I** - Includes replacement of the existing 2" water meter to a 3" water meter by the Stafford County Utilities Department. The 2" water meter was installed on a 4" water line and currently restricts the volume of water flowing into the school. It is believed by the Utilities Department that by increasing the meter size to 3", the water volume will increase and have a favorable impact on the water pressure throughout the school allowing for the proper operations of the bathroom flush valves, water coolers and field irrigation. Staff plans to have Phase I completed in May 2006. Cost is \$72.8K.

- **Phase II** - Includes the installation of a booster pump. If Phase I resolves the low water pressure, Phase II will not be required. In order to initiate Phase II, Phase I will have to be completed to allow for adequate water volume to the school.

3. Funding to address the project was originally estimated at \$75K when the “fix” was thought to only include the installation of a booster pump. On March 28, 2006 the School Board approved the use of proffer funds for the installation of a booster pump at an estimated cost of \$75K. Staff proposes to use these funds for Phase I. Phase II is currently unfunded. If Phase II is required staff plans to recommend a funding source at that time.

SCHOOL BOARD GOAL: #5 – Provide facilities that promote student learning and community support.

#7 – Provide school environments where teachers are safe to teach and students are safe to learn

FUNDING SOURCE: Proffer Funds

AUTHORIZATION REFERENCE:

February 2006

Stafford County School Board Policy 4-12
Stafford County School Board Policy 4-29